

P24786.A10

IN THE CLAIMS

Please cancel claims 1-34 and 54-117 without prejudice or disclaimer of the subject matter recited therein;

Please amend claim 35 and 44; and

Please add new claims 118-135 as follows:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-34 (Canceled).

35. (Currently Amended) A method of assembling a cartridge to a fuel cell, the method comprising:

connecting a cartridge comprising at least one variable volume chamber to a fuel cell comprising at least one variable volume chamber which includes a flexible material member; and transferring fluid from the cartridge to the fuel cell.

36. (Original) The method of claim 35, wherein the transferring comprises regulating or controlling fluid flow between the cartridge and fuel cell.

37. (Original) The method of claim 35, wherein the transferring comprises regulating or controlling fluid flow between the cartridge and fuel cell and vice versa.

38. (Original) The method of claim 35, further comprising transferring spent fluid between the fuel cell and the cartridge.

39. (Original) The method of claim 35, further comprising controlling fluid flow between the cartridge and the fuel cell via a valve system.

40. (Original) The method of claim 35, further comprising controlling fluid flow between the fuel cell and the cartridge via a valve system.

41. (Original) The method of claim 35, wherein the transferring comprises compressing the least one variable volume chamber of the cartridge to cause the fluid to enter into the fuel cell.

42. (Original) The method of claim 41, wherein the fluid comprises fuel and electrolyte.

43. (Original) The method of claim 35, wherein the transferring comprises forcing the fluid to enter into the at least one variable volume chamber of the fuel cell from the at least one variable volume chamber of the cartridge.

44. (Currently Amended) The method of claim 35, wherein the ~~at least one variable volume chamber of the fuel cell~~ flexible material member comprises a flexible wall with folds.

45. (Original) The method of claim 35, wherein the at least one variable volume chamber of the cartridge comprises a flexible wall with folds.

46. (Original) The method of claim 35, wherein the at least one variable volume chamber of the fuel cell comprises a flexible expandable and contractable chamber.

47. (Original) The method of claim 35, wherein the at least one variable volume chamber of the cartridge comprises a flexible expandable and contractable chamber.

48. (Original) The method of claim 35, further comprising, before the transferring, coupling a valve of the cartridge to a valve of the fuel cell.

49. (Original) The method of claim 48, further comprising, before the transferring, causing each valve to open from a closed position to allow fluid communication between the cartridge and the fuel cell.

50. (Original) The method of claim 35, further comprising controlling fluid flow between the cartridge and the fuel cell and vice versa with a valve arrangement.

51. (Original) The method of claim 35, further comprising, before the transferring, securely attaching a male valve portion on the cartridge to a female valve portion on the fuel cell.

52. (Original) The method of claim 35, further comprising, after the transferring, transferring spent fluid from the fuel cell to the cartridge and disconnecting the cartridge from the fuel cell.

53. (Original) The method of claim 52, further comprising, after the disconnecting, connecting a new cartridge to the fuel cell.

Claims 54-117 (Canceled).

118. (New) The method of claim 35, wherein the at least one variable volume chamber is defined by an anode member and the flexible material member.

119. (New) The method of claim 35, wherein the at least one variable volume chamber is arranged between an anode member and the flexible material member.

120. (New) The method of claim 35, wherein the at least one variable volume chamber is defined by an anode member and the flexible material member having a peripheral portion forming a frame.

121. (New) The method of claim 35, wherein the at least one variable volume chamber is defined by an anode member and the flexible material member having a peripheral portion secured to a frame member of the anode member.

122. (New) The method of claim 35, wherein the connecting comprises inserting the cartridge into a body of the fuel cell.

123. (New) The method of claim 122, wherein the transferring occurs automatically after the connecting.

124. (New) The method of claim 35, wherein the transferring occurs automatically during the connecting.

125. (New) The method of claim 124, wherein the connecting comprises inserting the cartridge into a body of the fuel cell.

126. (New) The method of claim 124, wherein the connecting causes the transferring to occur automatically.

127. (New) The method of claim 124, wherein the transferring is caused by movement of a plate member of the cartridge from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.

128. (New) The method of claim 124, wherein the transferring is caused by moving the cartridge into the fuel cell so as to cause a plate member of the cartridge to move from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.

129. (New) A method of assembling a cartridge to a fuel cell, the method comprising:
connecting a cartridge comprising at least one variable volume chamber to a fuel cell comprising at least one variable volume chamber which includes a flexible material member arranged adjacent an electrode; and
automatically transferring fluid from the cartridge to the fuel cell such that the flexible material member moves to an expanded position from an initial un-expanded position.

130. (New) The method of claim 129, wherein the automatically transferring is caused by movement of a plate member of the cartridge from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.

131. (New) The method of claim 129, wherein the automatically transferring is caused by moving the cartridge into the fuel cell so as to cause a plate member of the cartridge to move from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.

132. (New) The method of claim 129, wherein the electrode comprises an anode.

133. (New) A method of assembling a cartridge to a fuel cell, the method comprising:
connecting a cartridge comprising at least one variable volume chamber to a fuel cell comprising at least one variable volume chamber which includes a flexible material member; and
transferring fluid from the cartridge to the fuel cell,

wherein the transferring occurs automatically such that a reduction in volume of the at least one variable volume chamber of the cartridge causes an increase in a volume of the at least one variable volume chamber of the fuel cell.

134. (New) The method of claim 133, wherein the transferring is caused by movement of a plate member of the cartridge from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.

135. (New) The method of claim 133, wherein the transferring is caused by moving the cartridge into the fuel cell so as to cause a plate member of the cartridge to move from an initial position to a position which causes a reduction in a volume of the at least one variable volume chamber of the cartridge.